GASCONADE RIVER BASIN

06930400 SHANGHAI SPRING NEAR WAYNESVILLE, MO

(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°45'54", long 92°01'00", in sec.24, T.36 N, R.11 W., Pulaski County, Hydrologic Unit 10290202. Take exit 163 south outer road east toward Devil's Elbow, turn right on first gravel road, continue about 5 mi until you reach a wooden bridge.

PERIOD OF RECORD.--November 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DISCHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	OXYGEN, DISSOLVED (mg/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAl (HIGH LEVEL) (mg/L) (00340)	COLIFORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKALINITY WAT WH TOT FET FIELD (mg/L as $CaCO_3$) (00410)
NOV 1996											
18...	1500	66	14.0	303	7.03	6.50	62	--	50	196	126
JAN 1997											
23...	1600	52	13.5	451	7.13	4.90	47	16	39	130	163
MAR											
19...	1630	84	12.5	246	7.24	8.80	80	--	K14	87	110
APR											
01...	1520	41	13.0	289	7.12	7.50	69	--	25	37	132
JUN											
05...	1515	42	14.0	361	7.16	6.30	61	7	130	380	178
AUG											
22...	1240	29	15.5	346	7.03	8.10	80	--	K320	420	148

DATE	BICARBONATE WATER WH IT FIELD (mg/L as HCO_3) (00450)	CARBONATE WATER WH IT FIELD (mg/L as CO_3) (00447)	NITROGEN, NO_2+NO_3 TOTAL (mg/L as N) (00630)	NITROGEN, NITRITE TOTAL (mg/L as N) (00615)	NITROGEN, AMMONIA TOTAL (mg/L as N) (00610)	NITROGEN,AMMONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOSPHORUS TOTAL (mg/L as P) (00665)	PHOSPHORUS ORTHO TOTAL (mg/L as P) (70507)	HARDNESS TOTAL (mg/L as $CaCO_3$) (00900)	CALCIUM DISSOLVED (mg/L as Ca) (00915)
NOV 1996										
18...	154	0	1.70	<0.010	0.010	<0.20	0.110	0.110	--	--
JAN 1997										
23...	199	0	2.10	0.020	0.040	0.26	0.180	0.170	200	42
MAR										
19...	134	0	0.91	<0.010	<0.010	0.34	0.040	0.050	--	--
APR										
01...	162	0	1.30	<0.010	0.010	<0.20	0.110	0.080	--	--
JUN										
05...	217	0	E0.95	<0.010	E0.010	<0.20	E0.060	E0.070	170	35
AUG										
22...	180	0	1.40	0.010	0.010	<0.20	0.110	0.140	--	--

DATE	MAGNESIUM, DISSOLVED (mg/L as Mg) (00925)	SODIUM, DISSOLVED (mg/L as Na) (00930)	POTASSIUM, DISSOLVED (mg/L as K) (00935)	SULFATE DISSOLVED (mg/L as SO_4) (00945)	CHLORIDE, DISSOLVED (mg/L as Cl) (00940)	FLUORIDE, DISSOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (mg/L) (00530)	ALUMINUM, TOTAL RECOVERABLE (µg/L as Al) (01105)	ALUMINUM, DISSOLVED (µg/L as Al) (01106)
JAN 1997										
23...	23	13	2.0	9.3	37	0.20	272	4	130	3.1
JUN										
05...	20	5.9	1.6	7.5	7.1	<0.10	222	3	270	4.5

DATE	CADMIUM TOTAL RECOVERABLE (µg/L as Cd) (01027)	CADMIUM DISSOLVED (µg/L as Cd) (01025)	COPPER, DISSOLVED (µg/L as Cu) (01040)	IRON, DISSOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOVERABLE (µg/L as Pb) (01051)	LEAD, DISSOLVED (µg/L as Pb) (01049)	MANGANESE, DISSOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOVERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOVERABLE (µg/L as Zn) (01092)	ZINC, DISSOLVED (µg/L as Zn) (01090)
JAN 1997										
23...	<1	<1.0	<1.0	8.0	<1	<1.0	2.5	<0.10	4	3.3
JUN										
05...	<1	<1.0	<1.0	3.0	1	<1.0	0.70	0.10	5	2.5

K--Results based on colony count outside the acceptable range (non-ideal colony count).